



# Remote Sensing Applications Division (RSAD)

## CDR Program Office

Weekly Report for July 22, 2011  
John J Bates, Chief

# CDR Program Office

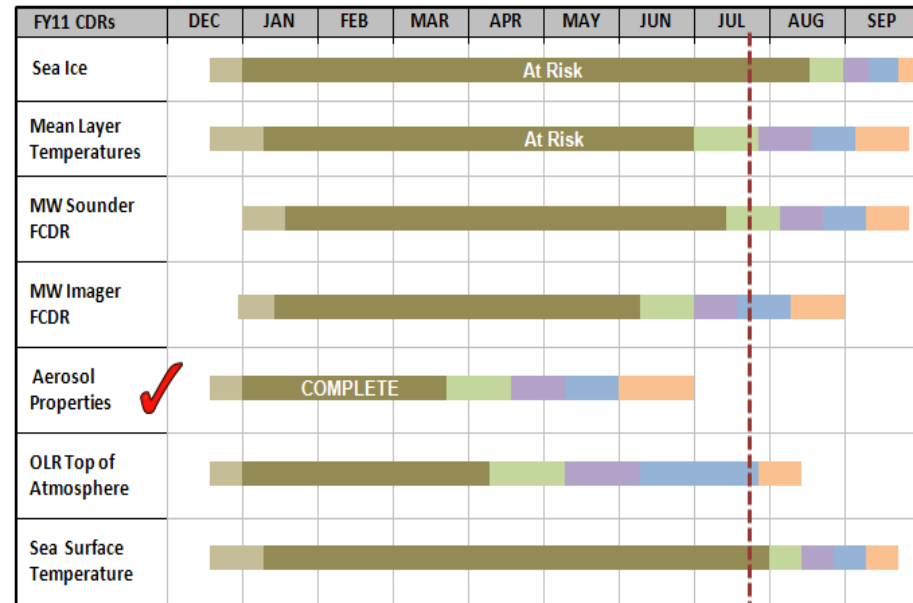
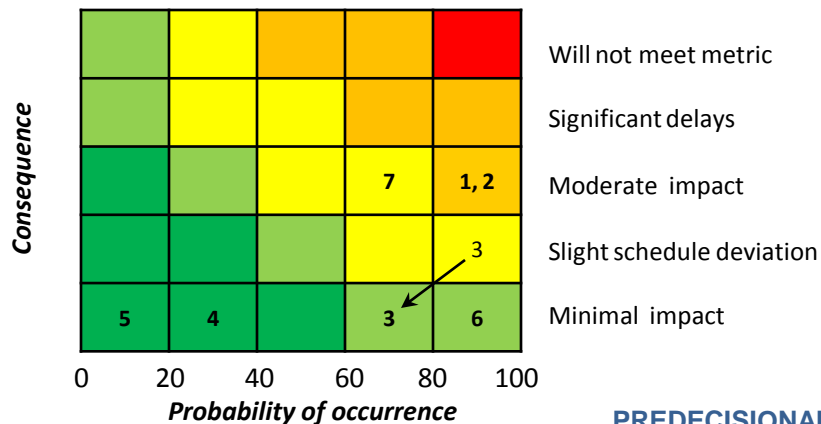
## FY11 Climate Data Records

### Weekly Report –July 22, 2011

- ① **Sea Ice**
  - Jeff went over the schedule with PI on June 30 during PI's visit
- ↓ ② **Mean Layer Temperatures**
  - Met with PI, contract in work for documentation
- ↓ ③ **Microwave (MW) Sounder FCDR**
  - PI will complete documentation and deliver by the end of July
- ④ **Microwave (MW) Imager FCDR**
  - Documentation is complete, ready for archiving
- ⑤ **Aerosol Properties**
  - CDR is available for public access – Completed June 16
- ⑥ **Outgoing Longwave (LW) - Top of Atmosphere**
  - Waiting on final data file from PI
- ↑ ⑦ **Sea Surface Temperature**
  - CICS Contract needs a push; SLA ready for signatures

● No change    ↑ Increasing Risk    ↓ Decreasing Risk

### Risk Matrix



R2O PHASE: ASSESSMENT SUBMISSION PREP TRANSFER VALIDATION ARCHIVE ACCESS

### Risk and Mitigation

#### Sea Ice

- Daily Schedule developed – Jeff met with PI, he seems on board

#### Mean Layer Temps

- Daily Schedule developed – contract in work for documentation delivery

#### Sea Surface Temp

- NCDC/NODC SLA agreed upon – at DO's office for signatures
- CICS contract moving slowly – asked Janice for a contact at U of Md

PREDECISIONAL DRAFT INFORMATION

# Sea Ice

**CDR Product:** TCDR - Sea ice concentration, 1979-2010 (20 GB)

**GEOSS Societal Benefit:** Climate, Water, Ecosystems, Agriculture

## Project Status

- **Developer will be here for CDR meeting in Aug**
- **SA draft sent to PI for review – PI sent responses back**
- Detailed schedule sent to PI on June 10. Jeff went over the schedule with PI on June 30 during PI's visit to NCDC
- SLA draft was provided to PI at the meeting on June 30
- NSIDC developers are working on code to read swath BT data, re-grid, and feed data into the algorithm modules, integrating the modules into the NSIDC operational system, and merging the NSIDC BT/NT products into the CDR product
- Sample NetCDF files, a list of global attributes, and sample CDR code reviewed; Comments and suggestions provided to PI

## Next Action / Milestone

- **PI deliver inputs on SA (7/18) - done**
- PI deliver completed sample Files, Draft CATBD, Partial code (8/15)
- TM return comments on sample files, CATBD, and code (8/19)



## Project Risks

- Schedule for NSIDC product and NCDC R2O team is very tight
  - Developed detailed schedule to help prevent further slips
- NSIDC will be serving the data to the public
- PI does not have much control over the center-wide dev schedule
- The codes that will be delivered are pieces of the NSIDC operational system

ID	Task Name	Status	Start	Stop	FY11 Q1			FY11 Q2			FY11 Q3			FY11 Q4		
					Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	Initial Assessment	100	12/7/2010	1/7/2011												
2	Transfer Prep	50	1/7/2011	8/15/2011												
2a	Comment Source Code	50	4/15/2011	8/15/2011												
2b	Create Docs (CATBD, Flow Chart, MM, Readme)	50	1/7/2011	8/15/2011												
2c	Convert data from binary to NetCDF	50	3/1/2011	8/15/2011												
3	Transfer Code, Docs, and Data	0	7/15/2011	8/31/2011												
4	Verify Code, Docs, and Data	0	7/31/2011	9/7/2011												
5	Archive Code, Docs, and Data	0	8/15/2011	9/21/2011												
6	Provide Access to Code, Docs, and Data	0	9/1/2011	9/30/2011												

# Mean Layer Temperatures

**CDR Product:** TCDR - Monthly gridded anomalies for three layers (LT, MT, LS), 1978-2010 (60 GB)

**GEOSS Societal Benefit:** Energy, Climate, Ecosystems

## Project Status

- **Met with PI at AMS conference (Jeff, Lei, Dan, Dongsoo, Phil)**
  - **Decided documentation could be done in a two weeks with funding for two FTE to work on it – SS contract in the works**
  - **PI agreed to draft SOW, at NCDC contracting office**
  - **PI will checksum the data so netCDF conversion can proceed**
- Mike Urzen has created sample netCDF file – being reviewed
- Sent PI a detailed schedule that would get this CDR done early
- Received Flow Chart, PI is working on code documentation
  - contract will get it moving much quicker, no longer just free time
- Code samples received did not have any header documentation
  - returned one of his samples with proper headers for template

## Next Action / Milestone

- PI create checksums for ASCII files (7/22)
- Finalize SA (7/25)
- Archive ASCII files (7/26)
- PI Deliver Draft CATBD (7/29) – **Roy Spencer will create first draft**



## Project Risks

- Data is ASCII format – Mike Urzen will convert to NetCDF
- PI has limited resources available to work on code clean up, comments and documentation – **contract in work**

ID	Task Name	Status	Start	Stop	FY11 Q2			FY11 Q3			FY11 Q4		
					Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	Initial Assessment	100	1/1/2011	1/15/2011									
2	Transfer Prep	65	1/15/2011	8/5/2011									
2a	Comment Source Code	75	1/15/2011	7/29/2011									
2b	Create Docs (CATBD, Flow Chart, MM, Readme)	50	3/15/2011	8/5/2011									
2c	Convert from ASCII to NetCDF	50	4/30/2011	8/1/2011									
3	Transfer Code, Docs, and Data	0	6/21/2011	8/5/2011									
4	Verify Code, Docs, and Data	0	7/15/2011	8/21/2011									
5	Archive Code, Docs, and Data	0	8/7/2011	9/7/2011									
6	Provide Access to Code, Docs, and Data	0	9/1/2011	9/21/2011									

PREDECISIONAL DRAFT INFORMATION

# Microwave Sounder FCDR

**CDR Product:** FCDR - AMSU-A Brightness Temperature, CH 9; 2001 - 2010 (100 GB)

**GEOSS Societal Benefit:** Climate, Water, Ecosystems

## Project Status

- Sent SA to PI
- Had PI and his programmer on telecon for IPT meeting
  - PI agreed to use current daily schedule for delivery
  - send everything by Aug 5
  - PI talked about a UCAR/NCDC agreement
  - Is this Fair Use Clause or some other discussion Jeff had???
- CDRP Decision was made, after telecon with PI, to proceed with CH9 only - the risk of CH7 not meeting IOC CDR requirements was too high
- Received an updated version of code, test data and readme

## Next Action / Milestone

- Deliver SA to PI for review (7/18) – done
- PI deliver draft CATBD (7/25)
- PI deliver Flow Chart and MM (7/27)
- PI deliver final netCDF files (8/1)



## Project Risks

- PI concerned about his source code being widely available
  - PI would like to be the one to distribute it
  - Need to finalize policy on source code release

ID	Task Name	Status	Start	Stop	FY11 Q2			FY11 Q3			FY11 Q4		
					Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	Initial Assessment	100	1/1/2011	1/15/2011									
2	Transfer Prep	90	1/15/2011	7/28/2011									
2a	Comment Source Code	90	1/15/2011	7/28/2011									
2b	Create Docs (CATBD, Flow Chart, MM, Readme)	90	3/15/2011	7/28/2011									
2c	Format Data for delivery	90	4/30/2011	7/28/2011									
3	Transfer Code, Docs, and Data	25	6/1/2011	8/8/2011									
4	Verify Code, Docs, and Data	25	7/1/2011	8/15/2011									
5	Archive Code, Docs, and Data	0	8/1/2011	9/8/2011									
6	Provide Access to Code, Docs, and Data	0	9/1/2011	9/21/2011									

PREDECISIONAL DRAFT INFORMATION

# Microwave Imager FCDR

**CDR Product:** FCDR - Intercalibrated SSM/I Brightness Temperatures (V6), 1987 – 2010 (1720 GB)

**GEOSS Societal Benefit:** Climate, Water, Ecosystems

## Project Status

- Sent sample files to Access for initial evaluation
- Data, source code, and doc packages are ready for the archive
- TM completed FCDR data production on local server
- TM completed CATBD
- TM completed README file
- Completed source code comments and created source code header document with robodoc
- Submitted all documents and code into Subversion repository

## Next Action / Milestone

- Create Header document
- Archive code, documentation and data
- Get data on THREDDS
- Update CDR web page



## Project Risks

- PI will not assist making the data an operational CDR
- POC will be responsible for converting data to NetCDF, documentation, and commenting the code.

ID	Task Name	Status	Start	Stop	FY11 Q2			FY11 Q3			FY11 Q4		
					Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	Initial Assessment	100	1/1/2011	1/15/2011									
2	Transfer Prep	100	1/1/2011	7/21/2011									
2a	Comment Source Code	100	1/1/2011	3/31/2011									
2b	Create Docs (CATBD, Flow Chart, MM, Readme)	100	1/1/2011	7/21/2011									
2c	Format data from binary to NetCDF	100	2/1/2011	4/30/2011									
3	Transfer Code, Docs, and Data	100	5/21/2011	7/29/2011									
4	Verify Code, Docs, and Data	100	6/15/2011	8/5/2011									
5	Archive Code, Docs, and Data	20	7/8/2011	8/15/2011									
6	Provide Access to Code, Docs, and Data	0	8/1/2011	8/31/2011									

# Aerosol Properties

**CDR Product:** TCDR - Aerosol Optical Thickness (AOT), 1981 – 2010 (430 GB)

**GEOSS Societal Benefit:** Disasters, Health, Climate, Ecosystems

## Project Status

- CDR is publicly available on the CDR web site  
– Completed June 16

## Next Action / Milestone

- None



## Project Risks

- None

ID	Task Name	Status	Start	Stop	FY11 Q1			FY11 Q2			FY11 Q3			FY11 Q4		
					Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	Initial Assessment	100	11/29/10	12/15/10												
2	Transfer Prep	100	1/1/2011	4/21/2011												
2a	Comment Source Code	100	1/1/2011	1/30/2011												
2b	Create Docs (CATBD, Flow Chart, MM, Readme)	100	1/1/2011	4/21/2011												
2c	Subset CDR variables	100	2/1/2011	4/21/2011												
2d	Format data from HDF to NetCDF	100	2/15/2011	4/21/2011												
3	Transfer Code, Docs, and Data	100	3/21/2011	4/30/2011												
4	Verify Code, Docs, and Data	100	4/15/2011	5/15/2011												
5	Archive Code, Docs, and Data	100	5/8/2011	6/8/2011												
6	Provide Access to Code, Docs, and Data	100	6/1/2011	6/30/2011												

**DONE**

PREDECISIONAL DRAFT INFORMATION

# Outgoing Longwave Radiation - Top of Atmosphere

**CDR Product:** FCDR - HIRS OLR Time Series, monthly mean, 2.5 deg, 1979 – 2010 (20 MB)

**GEOSS Societal Benefit:** Energy, Climate, Ecosystems

## Project Status

- PI received comments from Jason and Phil on netCDF attributes, and updated the attributes in his data file.  
- **Just need the final updated data file to start archive**
- Received source code with README  
- completed Security Review, created Header Document
- Received ATBD, Flow Chart, and MM

## Next Action / Milestone

- Receive final data file from PI (7/29)
- Archive source code, documentation and data packages (8/8)
- Get data on THREDDS (8/14)
- Provide web access to CDR (8/15)



## Project Risks

- Minimal risk involved

ID	Task Name	Status	Start	Stop	FY11 Q1			FY11 Q2			FY11 Q3			FY11 Q4		
					Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	Initial Assessment	100	11/29/2010	12/15/2010												
2	Transfer Prep	95	12/15/2011	7/22/2011												
2a	Comment Source Code	100	12/15/2011	3/31/2011												
2b	Create Docs (CATBD, Flow Chart, MM, Readme)	100	1/1/2011	4/30/2011												
2c	Format data for delivery	90	3/1/2011	7/22/2011												
3	Transfer Code, Docs, and Data	90	4/1/2011	7/22/2011												
4	Verify Code, Docs, and Data	75	5/1/2011	7/30/2011												
5	Archive Code, Docs, and Data	0	6/1/2011	8/8/2011												
6	Provide Access to Code, Docs, and Data	0	7/1/2011	8/15/2011												

PREDECISIONAL DRAFT INFORMATION



# Sea Surface Temperature

**CDR Product:** TCDR - Pathfinder v5.2, Daily nighttime and daytime global SST fields, 1981-2010, (4000 GB)

**GEOSS Societal Benefit:** Climate, Water, Ecosystems, Agriculture

## Project Status

- **Received comments from NODC on SLA**
  - Agreed to all changes and back with director for signatures
- **Plan B: ftp HDF data from UoM, convert to netCDF at NCDC, serve dataset to public ourselves – on hold since SLA agreed on**
- Documentation hire with CICS, official start date will be 1 July
  - Kay has not received contract yet and won't deliver CATBD or other documentation until she sees it (Janice – still at finance for approval, then goes to U of Md, then NCS) not sure how long
- Separate SA needed for deliveries from Bob and Kay (UofM/CICS)
- Working on standard SA for the other parts of the CDR

## Next Actions / Milestone

- Sign NODC SLA/SA (7/22) – at DO for signatures
- Create SA for code/documentation (8/9)
- PI Deliver: Draft CATBD (8/15)
- NODC create complete set of netCDF data files (8/31)
- NODC deliver a copy of netCDF Data Files to NCDC as in SA (8/31)
- Archive complete CDR netCDF dataset (8/31)



## Project Risks

- Processing from level 1b to HDF has been accomplished for all sats - some small gaps exist
- Documentation is via CICS consultant – work has started
- Final SST data set will be served by NODC

ID	Task Name	Status	Start	Stop	FY11 Q1			FY11 Q2			FY11 Q3			FY11 Q4		
					Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	Initial Assessment	100	11/29/10	12/15/10												
2	Create HDF product (v5.2) 1981-2010 (UoM)	100	12/15/10	5/21/11				N18	N16	N7	N9	N11	N14			
3	Convert HDF to netCDF (NODC)	75	2/1/11	6/30/11												
4	Comment Source Code	20	2/15/11	8/21/11					NODC			CICS Hire				
5	Create Documents	10	2/15/11	8/21/11					NODC			CICS Hire				
6	Transfer Copy of Data, Code and Docs	5	5/1/11	8/31/11								Data		C&D		
7	Verify Data, Code and Docs	5	6/1/11	9/7/11									Data		C&D	
8	Archive Data, Code and Docs	0	7/1/11	9/15/11										Data	C&D	
9	Provide Access to Data, Code and Docs	0	8/1/11	9/21/11												
	(Point to Data served at NODC)															

PREDECISIONAL DRAFT INFORMATION



# CDR Program Office

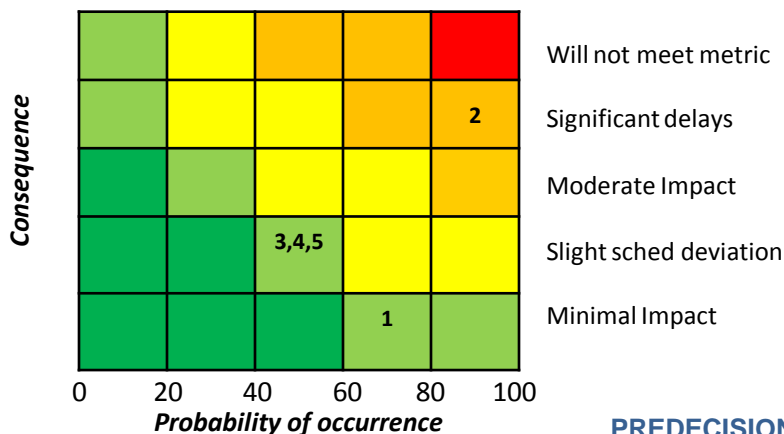
## NPP/JPSS Climate Raw Data Records (C-RDRs) Project

### Weekly Report – July 22, 2011

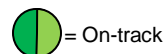
- ① **VIIRS**
  - Began coding the VIIRS C-RDR generator application in ADL.
- ② **CrIS**
  - Developing code to write the CrIS C-RDR.
  - Delaying CrIS C-RDR development until CrIS code is available.
- ③ **ATMS**
  - Developing code to write the ATMS C-RDR.
- ④ **OMPS NP**
  - Finished and tested Ver0.1 OMPS C-RDR prototype
- ⑤ **System Infrastructure**
  - Established subscriptions and receiving RDRs from CLASS as part of the NPP Compatibility Test 4 (NCT4).

● No change    ↑ Increasing Risk    ↓ Decreasing Risk

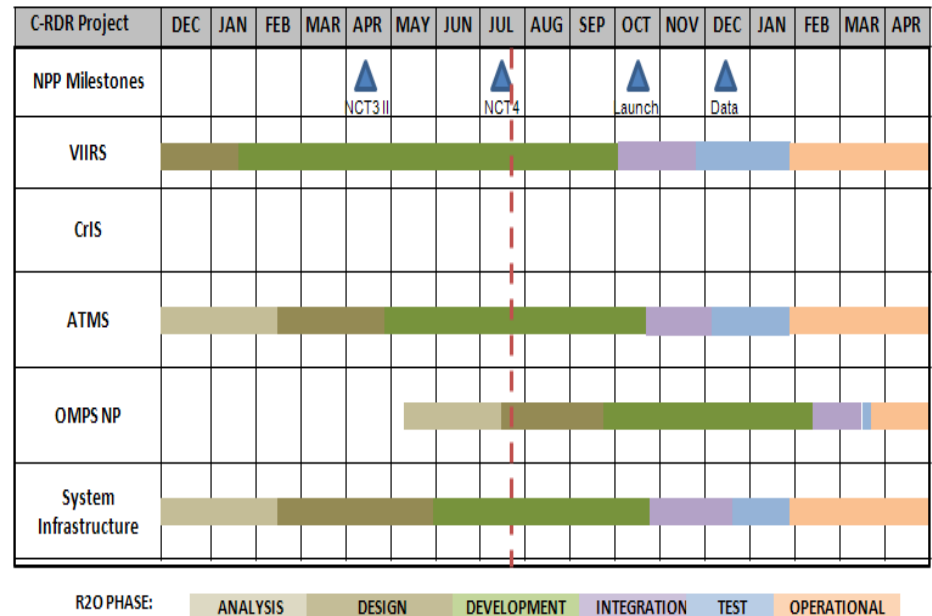
### Risk Matrix



### PREDECISIONAL DRAFT INFORMATION



= On-track    = Potential management action required    = Management attention required



### Risk and Mitigation

#### VIIRS, CrIS, ATMS, OMPS NP, System Infrastructure –

- Operational software is under maintenance, updated versions may affect C-RDR ported version.
- Contractor claims CrIS DR software is proprietary so cannot use for development. Working with old (2007) version of CrIS code. Delay till claim is resolved.

#### System Infrastructure –

- Availability of automated receipt of NPP RDRs from the CLASS system. Need to test ingest of RDRs from CLASS and develop an automated mechanism for re-requesting data.

# Visible Infrared Imaging Radiometer Suite (VIIRS)

**C-RDR Product:** Raw sensor measurements with usage and provenance metadata in easily accessible netCDF4 format

**GEOSS Societal Benefit:** Climate, Water, Ecosystems, Agriculture, Biodiversity, Energy

## Project Status

- **Completed build of the ADL 3.0 release.**
- **Installed the new release at Boulder site for C-RDR supporting data files development.**
- Coding the VIIRS C-RDR generator application in ADL.
- Updated the VIIRS Product Specification.
- Defined pre-processing for VIIRS supporting data files that are useable with ADL.
- Developing software to create the C-RDR, reusing the ADL.
- Completing release of netCDF4 file creation toolset.
- Developed and demonstrated toolset to define and initialize netCDF4 files.

## Next Action / Milestone

- Development complete for the VIIRS C-RDR



## Project Risks

- Complexity of the NPP/JPSS RDRs and operational software
- Operational software is under maintenance, updated versions may affect C-RDR ported version

## Project Schedule

ID	Task Name	Status	Start	Stop	FY11 Q3			FY11 Q4			FY12 Q1			FY12 Q2			FY12 Q3		
					Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
1	Analysis	Completed	10/23/2009	5/4/2010															
2	Design	Completed	5/6/2010	1/5/2011															
3	Development	30.00%	1/6/2011	10/4/2011															
3a	Develop VIIRS processing component	60.00%	1/6/2011	8/1/2011															
3b	Test VIIRS processing component		8/9/2011	10/4/2011															
4	Integration		10/12/2011	11/23/2011															
5	Test		8/24/2011	1/27/2012															
5a	Draft test procedures		8/24/2011	9/6/2011															
5b	Dry Runs/some with launch data		12/23/2011	1/26/2012															
5c	System Acceptance Test		1/27/2012	1/27/2012															
6	Operational		1/28/2012																

PREDECISIONAL DRAFT INFORMATION

# Cross-track Infrared Sounder (CrIS)

**C-RDR Product:** Raw sensor measurements with usage and provenance metadata in easily accessible netCDF4 format

**GEOSS Societal Benefit:** Climate, Water, Energy

## Project Status

- Wrote and tested CrIS C-RDR processing code to create proxy interferogram data-filled C-RDRs from input RDRs
- Developing and debugging code to create data structures for writing the C-RDR.
- Creating a MATLAB reader for the C-RDR to provide easy access.
- Evaluating processing of C-RDR with MATLAB and IDL
- Defining the netCDF4 structure for the C-RDR and developing software for writing the C-RDR
- CrIS IDPS software changes are not available to contractors. This affects C-RDR and ADL development and Cal/Val teams, SDS.
- Ported operational algorithms (Space Dynamics Lab at Utah State)

## Next Action / Milestone

- Delay until the CrIS SDR code is releasable. JPSS Program Office is working to resolve proprietary claims with BOMEM.
- Complete definition of CrIS C-RDR



## Project Risks

- CrIS science algorithms not available to contractors: C-RDR team, cal/val teams, ADL developer cannot get CrIS SDR code. Our current version of CrIS code is from 2007.
- NPP Launch Date: October 25, 2011
- Complexity of the NPP/JPSS RDRs and operational software
- Operational software is under maintenance, updated versions may affect C-RDR ported version. Mitigated by using ADL.

## Project Schedule

ID	Task Name	Status	Start	Stop	FY11 Q2			FY11 Q3			FY11 Q4			FY12 Q1			FY12 Q2		
					Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar
1	Analysis	Completed	8/16/2010	11/24/2010															
2	Design	90.00%	11/26/2010	2/15/2011															
3	Development		2/16/2011	7/22/2011															
3a	Develop CrIS processing component	60.00%	2/16/2011	5/11/2011															
3b	Test CrIS processing component		5/12/2011	7/22/2011															
4	Integration		7/25/2011	8/19/2011															
5	Test		9/1/2011	12/19/2011															
5a	Dry Runs/some with launch data		9/1/2011	12/12/2011															
5b	System Acceptance Test		12/12/2011	12/19/2011															
6	Operational		12/20/2011																

**DELAYED**

# Advanced Technology Microwave Sounder (ATMS)

**C-RDR Product:** Raw sensor measurements with usage and provenance metadata in easily accessible netCDF4 format

**GEOSS Societal Benefit:** Climate, Water, Energy

## Project Status

- Working with ADL 3.0 for integration of C-RDR routines.
- Developing code to write the C-RDR.
- Completed first draft of C-RDR contents.
- Defining the C-RDR format, contents, and metadata
- Identifying code and data structures required for C-RDR processing.
- Verified processing of ATMS algorithms
- IDPS ATMS algorithm executing in ADL at NCDC
- Evaluating IDPS algorithms in ADL
- Obtained ported operational algorithms (Space Dynamics Lab at Utah State)

## Next Action / Milestone

- Develop the code to produce the C-RDR



## Project Risks

- Complexity of the NPP/JPSS RDRs and operational software
- Operational software is under maintenance, updated versions may affect C-RDR ported version
- Developer shares time working NPP and CLASS issues.

## Project Schedule

ID	Task Name	Status	Start	Stop	FY11 Q3			FY11 Q4			FY12 Q1			FY12 Q2			FY12 Q3		
					Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
1	Analysis	Complete	10/29/2010	2/10/2011															
2	Design	90.00%	2/11/2011	4/29/2011															
3	Development	20.00%	5/2/2011	10/28/2011															
3a	Develop ATMS processing component	50.00%	5/2/2011	8/24/2011															
3b	Test ATMS processing component		8/18/2011	11/4/2011															
4	Integration		11/5/2011	12/20/2011															
5	Test		12/23/2011	1/27/2012															
5a	Dry Runs/some with launch data		12/23/2011	1/26/2012															
5b	System Acceptance Test		1/27/2012	1/27/2012															
6	Operational		1/28/2012																

PREDECISIONAL DRAFT INFORMATION

# Ozone Mapping Profile Suite (OMPS) Nadir

**C-RDR Product:** Raw sensor measurements with usage and provenance metadata in easily accessible netCDF4 format

**GEOSS Societal Benefit:** Climate, Energy

## Project Status

- **Developing classes for the creation of the C-RDR.**
- Received comments and created second draft of OMPS Nadir C-RDR prototype.
- Analyzing IDPS algorithms and documents to define the OMPS Nadir C-RDR structure.
- OMPS Nadir algorithms will be released in ADL 3.0.
- Analyzing the IDPS software for the OMPS Nadir SDR for the use in developing the C-RDR
- Updating the schedule for the OMPS Nadir C-RDR

## Next Action / Milestone

- Define the C-RDR format, contents, and metadata



## Project Risks

- Complexity of the NPP/JPSS RDRs and operational software
- Operational software is under maintenance, updated versions may affect C-RDR ported version

## Project Schedule

ID	Task Name	Status	Start	Stop	FY11 Q3			FY11 Q4			FY12 Q1			FY12 Q2			FY12 Q3		
					Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
1	Analysis	80.00%	5/23/2011	7/12/2011															
2	Design	30.00%	7/13/2011	9/28/2011															
3	Development		9/29/2011	2/7/2012															
3a	Develop OMPS NP processing component		9/29/2011	12/19/2011															
3b	Test OMPS NP processing component		12/20/2011	2/7/2012															
4	Integration		2/8/2012	3/6/2012															
5	Test		3/7/2012	3/14/2012															
6	Operational		3/15/2012																

PREDECISIONAL DRAFT INFORMATION

# C-RDR System Infrastructure

**C-RDR Product:** Infrastructure to automate the production of the C-RDRs.

**GEOSS Societal Benefit:** None

## Project Status

- Receiving RDRs from CLASS via subscription during NCT4.
- Completed throughput testing for SysGenSIP and C-RDR Infrastructure.
- Successfully transferred files from FTP Farm to Blade Center and ingested for RDR throughput test.
- Creating database tables and access procedures for the database to handle configuration files.
- Setting up configuration files and software for the ingest test.
- Developing an ingest test using the aggregated RDRs.
- Working on database infrastructure design.
- Analyzing existing ingest and dissemination capabilities.

## Next Action / Milestone

- Perform the throughput test.



## Project Risks

- Ability of CLASS to provide full stream of RDRs and ability to ingest stream of C-RDRs. **Ability of CLASS to provide RDRs will be tested during NCT4.**
- Need to develop an automated re-request mechanism for CLASS.

## Project Schedule

ID	Task Name	Status	Start	Stop	FY11 Q3			FY11 Q4			FY12 Q1			FY12 Q2			FY12 Q3		
					Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
1	Analysis	Completed	9/29/2010	4/22/2011															
2	Design	70.00%	4/25/2011	7/8/2011															
3	Development		5/31/2011	12/22/2011															
3a	Develop infrastructure	10.00%	5/31/2011	9/26/2011															
3b	Test infrastructure	65.00%	9/27/2011	11/8/2011															
4	Integration		10/26/2011	12/22/2011															
5	Test		12/23/2011	1/27/2012															
5a	Dry Runs/some with launch data		12/23/2011	1/26/2012															
5b	System Acceptance Test		1/27/2012	1/27/2012															
6	Operational		1/28/2012																

PREDECISIONAL DRAFT INFORMATION